



*United States
Nuclear Regulatory Commission*

RISK-INFORMED TREATMENT OF STRUCTURES, SYSTEMS AND COMPONENTS

**Presented To:
PRA Steering Committee/Industry Counterpart Meeting**

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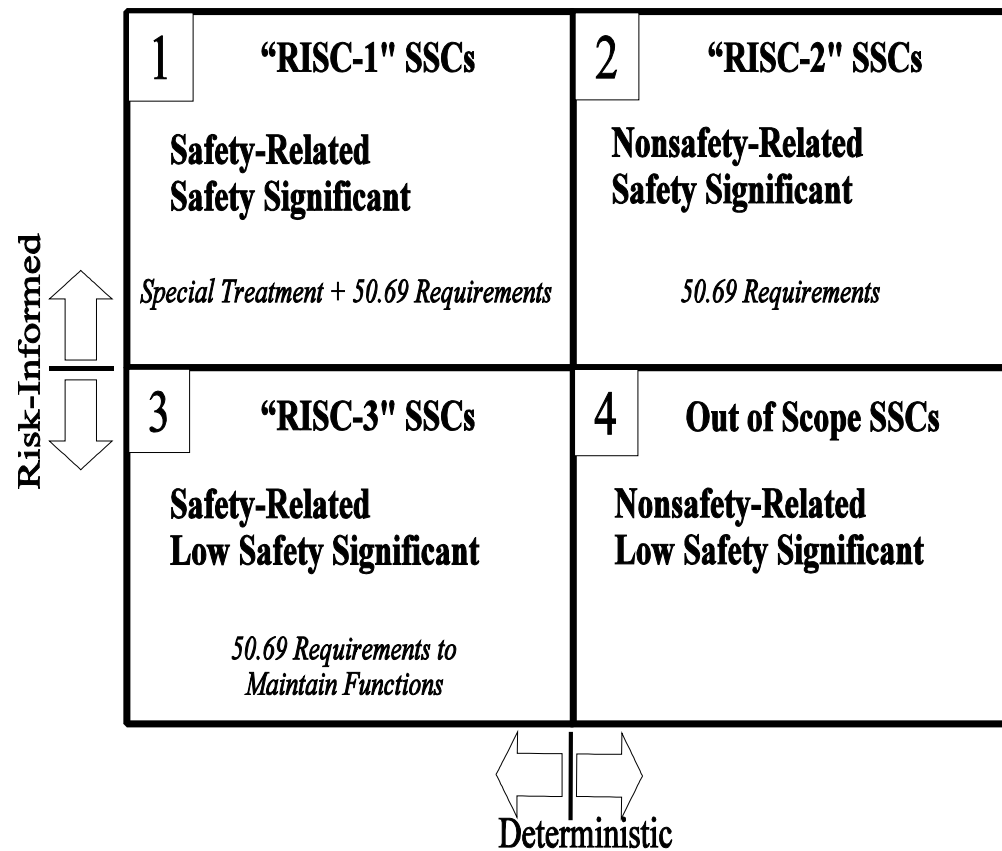
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OBJECTIVES OF RULEMAKING EFFORT

- **Establish an alternative regulatory approach that enables licensees to risk-inform treatment requirements**
- **The regulatory framework that implements this alternative will maintain safety; while reducing unnecessary burden, improving staff efficiency and effectiveness, and enhancing public confidence**
- **Utilize pilot plant experience to support the staff's development of regulatory framework and technical approach**



CATEGORIZATION OF STRUCTURES, SYSTEMS AND COMPONENTS





RULEMAKING APPROACH

- **New Rule 10 CFR 50.69 - Assurance Requirements**
 - **Identifies rules in which a risk-informed (Appendix T) scope may be used**
 - **Provides additional assurance requirements for RISC-1 & 2**
 - **Provides assurance requirements for RISC-3**

- **Appendix T - Categorization of SSCs**
 - **Integrated process that uses risk and engineering insights**
 - **Must consider RG 1.174 and SECY 99-007 factors**
 - **Requirements for PRA use, quality, scope and updating**
 - **Requirements for use of integrated decision-making/expert panel**
 - **Requirements for performance monitoring, corrective actions, and a feedback mechanism**



INPUTS NEEDED FROM INDUSTRY

- **Pilot program integral to proposed approach**
- **Implementation guideline**
- **Treatment required for RISC-2 & 3; what assurance is provided by "commercial grade"?**



ISSUES

- **Selective implementation**
- **Effect on Other Regulations**
- **Staff Review Requirement**
- **Identification and Control of Treatment Attributes**



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SCHEDULE

- **Rulemaking plan due to Commission** **10/1999**
- **Draft NEI guideline submitted to staff** **12/1999**
- **Issue STP exemptions** **6/2000**
- **Categorization pilot program complete/issue exemptions** **7/2001**
- **Proposed rulemaking to Commission** **9/2000**
- **Final rulemaking to Commission** **10/2001**
- **Final rule issued (implementation begins)** **3/2002**